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Abstract

(57) ・要約・

・課題・

使・捨・・・・・・・吸収性物品・・・・・優・・横漏・防止機能・備・・防漏・・・得・・

・解決手段・

吸収性物品・防漏・・・中腹・・・・・中心側・突出・・・・・・形成・・・

・・防漏・・・・・・・・・・・・・・・・横漏・防止効果・高・・・・・・・・・

・・・1 ・・防漏・・・・・・・・ 2 ・以上設・・・・・・・間隔・・・・互・・接合・・・・・・・・・・・・・形成・・・排泄物・・・・・・保持・・・・・・・・・・

(57) [Abstract]

[Problems to be Solved by the Invention]

In disposable diaper or other absorbent article, anti 漏 cuff which has side leak prevention functionwhich is superior is obtained.

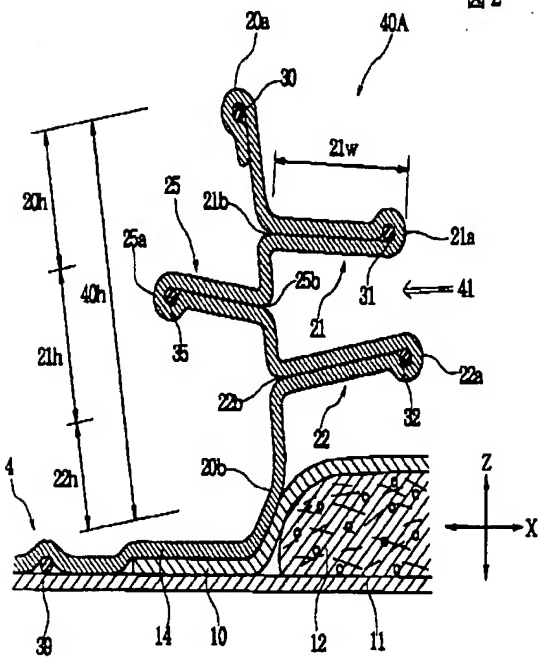
[Means to Solve the Problems]

In medium fore-edge of anti 漏 cuff of absorbent article, flap which protruding is done is formed in center side.

Regarding this anti 漏 cuff, side leak prevention effect can be made high with flap .

In addition, flap 2 or more is provided in anti 漏 cuff of the one, flap puts in place spacing and pocket can be formedby being connected mutually, can keep waste in pocket.

図2



Claims

・特許請求・範囲・

・請求項 1・

[Claim(s)]

[Claim 1]

受液側・向・・・・透液性・・・・・・・・外側・向・・・・・・・・・・・・前記・・・・・・前記・・・・・・・・間・挟・・・吸収・・・・有・・本体・・・・前記本体・受液側・本体・長手方向・延・且・前記長手方向・直交・・幅方向・両側・配置・・・一対・防漏・・・有・・吸収性物品・・・・・

top sheet of liquid-permeable which is directed to receiving liquid side and backsheet which is directed to outside and, On receiving liquid side of main body ▪ and aforementioned main body which possess aforementioned top sheet and absorption core whichis put between between aforementioned backsheet extension and theaforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body,

上記一対・防漏・・・・一方・縁部・固定縁部・・・前記本体・固定・・他方・縁部・自由縁部・・・・・・・自由縁部・前記長手方向・伸縮力・発生・・防漏・・・起立・・・第 1・弾性部材・設・・・・

Anti 漏 cuff of above-mentioned pair on one hand edge to be locked by aforementioned main body as fixed edge and the edge of other becoming free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction anti 漏 cuff providing first elastic member which stands up,

前記防漏・・・前記固定縁部・自由縁部・・間・・・前記防漏・・・構成・・・・・・折・畳・・・・折・畳・内面・接合・・・・・・・・前記本体・幅方向・中心側・向・・突出形成・・・・・・・・特徴・・・吸収性物品・

absorbent article ▪ which, folding sheet which aforementioned anti 漏 cuff configuration is done, flap which connects folding interior surface, directingto center side of transverse direction of aforementioned main body, protruding isformed in aforementioned fixed edge of aforementioned anti 漏 cuff and and between free edge makes feature

請求項 2・

[Claim 2]

前記・・・・・前記防漏・・・・本体・幅方向中心側・幅方向・外側・双方・突出形成・・・・・請求項 1 記載・吸収性物品・

As for aforementioned flap, from aforementioned anti 漏 cuff transverse direction center side of main body and, absorbent article ▪ which is stated in Claim 1 which protruding is formed to both parties of outside of transverse direction

請求項 3・

[Claim 3]

前記・・・・・前記防漏・・・・本体・幅方向・中心側・少・・・・2・設・・・第 2・第 3・・・・・形成・・・・2・・・・・・・共・本体・長手方向・延・・請求項 1 記載・吸収性物品・

absorbent article ▪ which is stated in Claim 1 where aforementioned flap,from aforementioned anti 漏 cuff two being provided atleast in center side of transverse direction of main body, forms flap of the second and third, as for these 2 flap together extends to the longitudinal direction of main body

請求項 4・

[Claim 4]

第 2・第 3・・・・・・・本体・長手方向・間隔・開・・互・・接合・・・前記接合・・・接合部間・・前記第 2・第 3・・・・・・・・・・・・形成・・・・・請求項 3 記載・吸収性物品・

flap of second and third is connected, opening spacing to longitudinal direction of main body, mutually, with aforementioned connectingbetween joined portion, absorbent article ▪ which is stated in Claim 3 where the pocket is formed by aforementioned second and flap of the third

請求項 5・

[Claim 5]

前記第 2・第 3・・・・・・中間・・・・・前記・・・・・防漏・・・幅方向・外側・突出形成・・・外向・・・・・形成・・・・請求項 3・・・4 記載・吸収性物品・

In aforementioned second and intermediate of flap of third,aforementioned flap protruding being formed to outside of the transverse direction of anti 漏 cuff, absorbent article ▪ which is stated in Claim 3 or 4 which forms outside direction flap

請求項 6・

[Claim 6]

前記・・・・・防漏・・・・・突出長・・5mm 以上 10mm 以下・・・請求項 1~5 ・・・・・・記載・吸収性物品・

protruding length from anti 漏 cuff of aforementioned flap, the absorbent article・ which is stated in any of Claim 1~5 which is 5 mm or greater 10 mm or less

請求項 7・

[Claim 7]

防漏・・・前記・・・・・複数設・・・・場合・・第 2・第 3 ・・・・・・間隔・最・離・・・・部分・前記間隔・ 10mm 以上 15mm 以下・・・請求項 1~6 ・・・・・・記載・吸収性物品・

In anti 漏 cuff aforementioned flap multiple when it isprovided, spacing of flap of second and third most with portion which is left, absorbent article・ which is stated in any of the Claim 1~6 where aforementioned spacing is 10 mm or greater 15 mm or less

請求項 8・

[Claim 8]

前記各・・・・・自由端・・・本体・長手方向・伸縮力・発揮・・弾性部材・設・・・・本体部・長手方向・平面・・・・・・展開・・・・・第 1 ・弾性部材・収縮張力・・各・・・・設・・・・弾性部材・伸縮張力・・・大・・請求項 1~7 ・・・・・・記載・吸収性物品・

When in free end of aforementioned each flap, it can provide the elastic member which shows extension and retraction power to longitudinal direction of main body, main body inorder for longitudinal direction to become plane, developing, contraction tension of first elastic member, absorbent article・ which is stated in any of thelarge Claim 1~7 in comparison with extension and retraction tension of elastic member which isprovided in each flap

請求項 9・

[Claim 9]

受液側・向・・・・透液性・・・・・・・・・外側・向・・・・・・・・・・・・前記・・・・・・前記・・・・・・・・間・挟・・・吸収・・・・有・・本体・・・・前記本体・受液側・本体・長手方向・延・且・前記長手方向・直交・・幅方向・両側・配置・・・一対・防漏・・・有・・吸収性物品・・・・・

top sheet of liquid-permeable which is directed to receiving liquid side and backsheet which is directed to outside and, On receiving liquid side of main body・ and aforementioned main body which possess aforementioned top sheet and absorption core whichis put between between aforementioned backsheet extension and theaforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body,

上記一対・防漏・・・・一方・縁部・固定縁部・・・前記本体・固定・・他方・縁部・自由縁部・・・・・・・自由縁部・前記長手方向・伸縮力・発生・・防漏・・・起立・・・第 1 ・弾性部材・設・・・・

Anti 漏 cuff of above-mentioned pair on one hand edge to be locked by aforementioned main body as fixed edge and the edge of other becoming free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction anti 漏 cuff providing first elastic member which stands up,

前記防漏・・・・前記固定縁部・自由縁部・・間・波形・・・・・・・前記本体・幅方向中心側・向・2 ・・波・頂点・・・・・前記長手方向・間隔・開・・接合・・・

Aforementioned anti 漏 cuff is made waveform between theaforementioned fixed edge and free edge , apex of 2 waveswhich face to transverse direction center side of aforementioned main body, opening spacing to aforementioned longitudinal direction, is connected,

前記接合・・・接合部間・・前記 2 ・・波形・間・・・・・・形成・・・・・・・・・・・特徴・・・吸収性物品・

Between joined portion, pocket is formed between aforementioned 2 waveform with aforementioned connecting, absorbent article・ which ・ is and makes feature

請求項 10・

[Claim 10]

前記波形・頂点・・本体・長手方向・伸縮力・発揮・・弾性部材・設・・・・本体部・長手方向・平面・・・・・・展開・・・・・・第 1

When in apex of aforementioned waveform, it can provide the elastic member which shows extension and retraction power to longitudinal direction of main body, main body inorder for

・弾性部材・収縮張力・・前記波形・頂点・設・・・・弾性部材・伸縮張力・・・大・・請求項 9 記載・吸収性物品・

longitudinal direction to become plane, developing, contraction tension of first elastic member, absorbent article・ which is stated in large Claim 9 incomparison with extension and retraction tension of elastic member which is provided in apex of aforementioned waveform

・請求項 11・

[Claim 11]

前記接合部間・形成・・・・・・・・長手方向・開口長・・ 5mm 以上 20mm 以下・・・請求項 4・9・10・・・・・・記載・吸収性物品・

absorbent article・ which is stated in any of Claim 4・ 9, 10 where open length of longitudinal direction of pocket which was formed between theaforementioned joined portion is 5 mm or greater 20 mm or less

Specification

・発明・詳細・説明・

[Description of the Invention]

・0001・

[0001]

・発明・属・・技術分野・

[Technological Field of Invention]

本発明・・優・・漏・防止機能・備・・防漏・・・・・・使・捨・・・・・尿取・・・・生理用・・・・・・・使・捨・吸収性物品・関・・・

this invention has anti 漏 cuff which has leak prevention function which issuperior, it regards disposable diaper and urine taking pad and the sanitary napkin or other disposable absorbent article.

・0002・

[0002]

・従来・技術・

[Prior Art]

近年・使・捨・・・・・・・吸収性物品・広・使用・・・・・・

Recently, disposable diaper or other absorbent article is used widely.

図 10・・従来・使・捨・・・・・側部・一部断面図・示・・

partial cross section figure of side part of conventional disposable diaper is shown in Figure 10 .

・・使・捨・・・・・・装着者側・向・・・・透液性・・・・・・・110・・外側・向・・・・不透液性・・・・・・・111・・前記・・・・・・110・前記・・・・・・111・・間・挟・・・吸収・・112・・構成・・・・・・

As for this disposable diaper, with top sheet 110 of liquid-permeable which is directed to wearer side and backsheet 111 of liquid-impermeable which is directed to outside and aforementioned top sheet 110 and absorption core 112 which is putbetween between aforementioned backsheet 111 configuration it is done.

・・・・装着者・排泄・・場合・排泄物・吸収・・ 112 ・・・・吸収・・・・・一度・多量・排泄・行・・・・吸収・・ 112 ・・・・吸収・・・・・・・排泄物・幅方向(X 方向)・移動・・・

When wearer of diaper excretion it does, waste is absorbedwith absorption core 112 , but when excretion of large amount is done atone time, waste which it cannot absorb with absorption core 112 moves to transverse direction (X direction).

・・排泄物・・・・・側部(・・・・装着者・脚回・・当・・部分)・・・・・・外・・漏・・・・・防止・・・・・防漏・・ 140 ・設・・・・・・

Anti 漏 cuff 140 is provided in order this waste leaks from side part (Namely portion which hits around leg of wearer) of diaper to outside diaper and to prevent .

防漏・・140・疎水性・・・114・・・・形成・・・一方・側縁(自由端部 140a)・弾性部材 130・設・・・・・・・・・反対側・側縁・・・・・・110・固定・・・固定縁部 140b ・・・・・・・

Anti 漏 cuff 140 is formed with hydrophobic sheet 114 , elastic member 130 is provided in one side edge (free end 140a), side edge of opposite side is locked by top sheet 110 andhas become fixed edge 140b.

結果・装着者・向・・・立・上・・防漏・・・形成・・・・・・

Anti 漏 cuff which stands up facing toward result and wearer is formed.

・0003・

[0003]

本発明・出願人・・・・・・・防漏・・・関・研究開発・・特開平 4-218159 号・・・・防漏・・・2 重・設・・使・捨・着用物品・開示・・・・・

research and development it does applicant of this invention, in regard to this kind ofanti 漏 cuff, it discloses disposable wearing goods which provides theanti 漏 cuff in double in Japan Unexamined Patent Publication Hei 4- 218159 number.

・・・特開平 8-215239 号・・・・・防漏・・・・・・状・折・畳・・内側・向・・・開口・・・・・・・形成・・・使・捨・体液処理用品・開示・・・・・・

In addition, anti 漏 cuff disposable body fluid treatment goods where the pocket which is opened facing toward folding・ inside was formed is disclosedin zigzag shape in Japan Unexamined Patent Publication Hei 8-215239 number.

・0004・

[0004]

・発明・解決・・・・・・課題・

[Problems to be Solved by the Invention]

・・・・尿・軟便・・・排泄物・流速・早・・・・排出量・多・場合・排出速度・早・場合・・排泄物・前記防漏・・・・・・堰・止・・・・・難・・・

But, because urine and soft flight or other waste flow rate are quick,when effluent amount is many and when drainage rate is quick, waste the weir it comes with aforementioned anti 漏 cuff and it isdifficult to stop.

・・・・・・・・・・形態・排泄物・・・・・・・・漏・・・・・効果的・防止・・・防漏・・・出現・強・望・・・・・・

Depending, appearance of anti 漏 cuff to which that leaks with waste of which kind of form and can prevent in effective is strongly desired.

・0005・

[0005]

一方・漏・防止効果・高・・・・・・防漏・・・弾性部材・強度・強・・・装着者・足回・・強固・閉・・・・・・・・・防漏・・・何重・・設・・・・・・・装着者・不快感・感・・・共・・装着者・肌・当・・・・・・面積・大・・・・・摩擦・・・肌・・・・・引・起・・易・・・・

On one hand, in order to make leak prevention effect high, making strength of elastic member of anti 漏 cuff strong, when it tries to close theunderside of wearer firmly, anti 漏 cuff many heavilyprovides, as for wearer, as discomfort is felt, surface area of the diaper which hits to skin of wearer becoming large, It is likely to cause rash of skin in friction.

・・・・場合・・・・・・部分・・・・空気・流通性・悪・・・・・・・・・・・・・引・起・・易・・

In addition in this case, because also permeability of air in the portion of gather becomes bad, it is easy to cause clamminess and the rash.

・0006・

[0006]

本発明・上記課題・解決・・・・・・・・・・優・・漏・防止機能・備・・防漏・・・・・吸収性物品・提供・・・・・・・・

this invention with those in order to solve above-mentioned problem, isto offer absorbent article which has anti 漏 cuff which has leak prevention function which is superior.

・0007・

[0007]

本発明・更・・目的・・優・・漏・防止機能・備・・・・・・装着者・肌・・・・・・荒・・・・・・・・少・・吸収性物品・提供・・・・・・・・

As for further objective of this invention, although having leak prevention function which is superior, skin of wearer is enough rash and it becomes rough it is to offer small absorbent article.

・0008・

[0008]

・課題・解決・・・・・手段・

[Means to Solve the Problems]

本発明・前記目的・・受液側・向・・・・透液性・・・・・・・・外側・向・・・・・・・

top sheet of liquid-permeable which receives aforementioned objective of the this invention and, is directed to liquid side

・・・・・前記・・・・・・・前記・・・・・・・間・挟・・・吸収・・・・有・・本体・・・・前記本体・受液側・本体・長手方向・延・且・前記長手方向・直交・・幅方向・両側・配置・・・一対・防漏・・・有・・吸収性物品・・・・・上記一対・防漏・・・・一方・縁部・固定縁部・・・前記本体・固定・・他方・縁部・自由縁部・・・・・・・自由縁部・前記長手方向・伸縮力・発生・・防漏・・・起立・・・第１・弾性部材・設・・・・前記防漏・・・前記固定縁部・自由縁部・・間・・・前記防漏・・・構成・・・・・・折・畳・・・・折・畳・内面・接合・・・・・・・・前記本体・幅方向・中心側・向・・突出形成・・・・・・・特徴・・・吸収性物品・・・・達成・・・・

and backsheet which is directedto outside and, On receiving liquid side of main body・ and aforementioned main body which possess aforementioned top sheet and absorption core whichis put between between aforementioned backsheet extension and theaforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body, as for anti 漏 cuff of theabove-mentioned pair, edge of one side being locked by aforementioned main body as thefixed edge and edge of other becoming free edge, inthis free edge generating extension and retraction power in aforementioned longitudinal direction the first elastic member which stands up be able to provide anti 漏 cuff, in theaforementioned fixed edge of aforementioned anti 漏 cuff andbetween free edge , Folding sheet which aforementioned anti 漏 cuff configuration isdone, flap which connects folding interior surface, directing to center side of transverse direction of aforementioned main body, it is achieved with absorbent article which protruding is formed and makes feature.

[0009]

本発明・吸収性物品・・・・・・・幅方向・・・・中心側・突出・・防漏・・・固定端部・・自由端部・・・実質的距離・長・・・・・・・・排泄位置・・・・吸収・・・吸収・・・・流速・早・排泄物・幅方向・・流・・防漏・・・乗・越・・・・・・・対・・排泄物・速度・・・・・存在・・・・遅・・・排泄物・漏・・効果的・防・・・・・・・・

With absorbent article of this invention, flap protruding to do to center side in transverse direction, because substantial distance to free end has become longfrom anchor end portion of anti 漏 cuff, waste where flow rate whichit cannot absorb with absorption core in excretion position is quickflowing to with transverse direction, in order to try to get over anti 漏 cuff confronting, velocity of waste becomes slow in existence of flap, a leakof waste is prevented in effective, is possible .

・・・本発明・吸収性物品・装着時・・防漏・・・・・・・・各自由端部・肌・接触・・・・・・・・・・肌・対・・接触面積・少・・・・・・・装着者・肌・対・・摩擦・少・・・済・・

In addition, it is decided with that anti 漏 cuff and each free end of flap contact skin when mounting absorbent article of this invention,contact area for skin of diaper is little, namely frictionfor skin of wearer may be little.

・・・・防漏・・・肌・・間・空隙・・・・・・本発明・・・・・各・・・・・固定端部近辺・・・・・肌・・間・空隙・・・・・・空気・流通・生・・・・・

Furthermore, it can designate empty gap as anti 漏 cuff andbetween skin , but, because furthermore in anchor end portion neighborhoodof each flap empty gap can designate with this invention as between the skin , circulation of air is easy to occur.

・・・・・・・・・・・・・・発生・抑・・・・・・・・・

Depending, you hold down clamminess and rash or other occurrence, it ispossible .

[0010]

前記・・・・・・前記防漏・・・・本体・幅方向中心側・・幅方向・外側・双方・突出形成・・・・・・・・好・・・・

Aforementioned flap, transverse direction center side of main body and, protruding isformed to both parties of outside of transverse direction from theaforementioned anti 漏 cuff, it is desirable .

[0011]

・・・前記・・・・・・前記防漏・・・・本体・

In addition, aforementioned flap, from aforementioned anti

幅方向・中心側・2・設・・・・第2・第3・・・・・形成・・・・2・・・・・・・共・本体・長手方向・延・・・・・好・・・・

漏 cuff two being provided in center side of transverse direction of main body,forms flap of second and third, these 2 flap extend to longitudinal direction of main body together, it is desirable .

・・場合・第2・第3・・・・・・本体・長手方向・間隔・開・・互・・接合・・・前記接合・・・接合部間・・前記第2・第3・・・・・・・・・・形成・・・・・・・・好・・・・

In this case, flap of second and third is connected,opening spacing to longitudinal direction of main body, mutually, between the joined portion, pocket is formed with aforementioned connecting by theaforementioned second and flap of third, it is desirable.

・・・前記第2・第3・・・・・・中間・・・・前記・・・・・防漏・・・幅方向・外側・突出形成・・・外向・・・・・形成・・・・・・好・・・・

In addition, aforementioned flap protruding being formed to the outside of transverse direction of anti 漏 cuff in aforementioned second and intermediate of flap of third, outside direction flap is formed, it is desirable .

[0012]

本発明・・・・・・前記・・・・・防漏・・・・突出長・・5mm 以上 10mm 以下・・・・・・好・・・・

Regarding to this invention, protruding length from anti 漏 cuff of theaforementioned flap, is 5 mm or greater 10 mm or less, it is desirable .

・・・防漏・・・前記・・・・・複数設・・・・場合・・第2・第3・・・・・・間隔・最・離・・・部分・・前記間隔・10mm 以上 15mm 以下・・・・・・好・・・・

In addition, in anti 漏 cuff aforementioned flap multiple when it is provided, spacing of flap of second and third most with portion which is left, aforementioned spacing is 10 mm or greater 15 mm or less, it is desirable .

[0013]

・・・前記各・・・・・自由端・・・本体・長手方向・伸縮力・発揮・・弾性部材・設・・・本体部・長手方向・平面・・・・・・展開・・・・・・第1・弾性部材・収縮張力・・各・・・・・設・・・・弾性部材・伸縮張力・・・大・・・・・好・・・・

In addition, in free end of aforementioned each flap, it canprovide elastic member which shows extension and retraction power to longitudinal direction of main body,when main body in order for longitudinal direction to become plane, developing,contraction tension of first elastic member, it is large in comparison with the extension and retraction tension of elastic member which is provided in each flap it is desirable.

[0014]

・・本発明・・受液側・向・・・・透液性・・・・・・・外側・向・・・・・・・・・・・・前記・・・・・・・前記・・・・・・・・間・挟・・・吸収・・・・有・・本体・・・・前記本体・受液側・本体・長手方向・延・且・前記長手方向・直交・・幅方向・両側・配置・・・一対・防漏・・・有・・吸収性物品・・・・上記一対・防漏・・・・一方・縁部・固定縁部・・・前記本体・固定・・他方・縁部・自由縁部・・・・・・自由縁部・前記長手方向・伸縮力・発生・・防漏・・・起立・・・第1・弾性部材・設・・・・前記防漏・・・・前記固定縁部・自由縁部・・間・波形・・・・・・前記本体・幅方向中心側・向・2・・波・頂点・・・・前記長手方向・間隔・開・・接合・・・前記接合・・・接合部間・・前記 2・・波形・間・・・・・・形成・・・・・・・・

In addition top sheet of liquid-permeable which receives this invention and, isdirected to liquid side and backsheet which is directed to outside and, On receiving liquid side of main body・ and aforementioned main body which possess aforementioned top sheet and absorption core whichis put between between aforementioned backsheet extension and theaforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body, as for anti 漏 cuff of theabove-mentioned pair, edge of one side being locked by aforementioned main body as thefixed edge and edge of other becomes free edge, in thisfree edge generating extension and retraction power in aforementioned longitudinal direction the first elastic member which stands up can provide anti 漏 cuff, theaforementioned anti 漏 cuff is made waveform between theaforementioned fixed edge and free edge , apex of

特徴・・・吸収性物品・・・・

2 waves which face to transverse direction center side of aforementioned main body, opening spacing to aforementioned longitudinal direction, it is connected,it is a absorbent article where between joined portion, pocket is formed between theaforementioned 2 waveform with aforementioned connecting and makes feature.

・・場合・・・・・内・排泄物・保持・・・・・・漏・・効果的・防止・・・・・・・・・

In this case, because waste is kept inside pocket, a leak canbe prevented in effective.

0015・

[0015]

・・・・前記波形・頂点・・本体・長手方向・伸縮力・発揮・・弾性部材・設・・・・本体部・長手方向・平面・・・・・・展開・・・・・第 1 ・弾性部材・収縮張力・・前記波形・頂点・設・・・・弾性部材・伸縮張力・・・大・・・・・好・・・・

This time, in apex of aforementioned waveform, it can provide elastic member which shows extension and retraction power to longitudinal direction of main body, when the main body in order for longitudinal direction to become plane, developing, thecontraction tension of first elastic member, it is large in comparison with the extension and retraction tension of elastic member which is provided in apex of theaforementioned waveform it is desirable .

0016・

[0016]

・・・・本発明・・前記接合部間・形成・・・・・・・長手方向・開口長・・ 5mm 以上 20mm 以下・・・・・・好・・・・

Furthermore, with this invention open length of longitudinal direction of pocket which was formed between aforementioned joined portion is 5 mm or greater 20 mm or less, it isdesirable .

0017・

[0017]

発明・実施・形態・

[Embodiment of the Invention]

以下・図面・参照・・・・・本発明・吸収性物品・・・使・捨・・・・・例・・・・説明・・・

While below, referring to drawing, citing disposable diaper as example as absorbent article of this invention, you explain.

図 1 ・本発明・使・捨・・・・・透液性・・・側・・示・平面図・図 2 ・図 1 ・示・・・・・・ II-II 線・断面図・図 3 ・図 1 ・示・・・・・・ III-III 線・断面図・図 4 ・防漏・・・端部・・・・状態・説明・・部分断面図・・・・

As for Figure 1 as for top view・ Figure 2 which shows disposable diaper of this invention from liquid-permeable sheet side as for sectional view・ Figure 3 of line II-II of diaper which isshown in Figure 1 as for sectional view・ Figure 4 of line III-III of diaper which isshown in Figure 1 it is a partial cross section which explains state in end of anti 漏 cuff.

0018・

[0018]

図 1 ・示・本発明・使・捨・・・・1 ・・・・・砂時計形状・・・・・型・・・・・・・使用時・装着者・腹部・当・・・・前面部 2A ・・使用時・尻部・・・/・・・背部・当・・・・背面部 2C ・・使用時・股間部・当・・・・中間部 2B ・・有・・・

As for disposable diaper 1 of this invention which is shown in Figure 1, with the open mold diaper of so-called hourglass configuration, when using it possesses intermediate section 2B which is appliedto crotch section at time of back surface part 2C and use which areapplied to rear end and/or back at time of front 2A and usewhich are applied to abdomen of wearer.

前記前面部・・股間・経・前記後面部・至・方向・Y 方向(長手方向若・・・縦方向)・・・・・直交・・方向・X 方向(幅方向)・・・・

Passing by crotch from aforementioned front, Y direction (longitudinal direction or vertical direction)with it does direction which reaches to aforementioned back surface section, that X direction (transverse direction) with it does

・・・図2及・図3・示・・・・装着者側・向・・方向・Z方向・・・・

0019・

・・使・捨・・・・1・装着者・受液側・向・・・・透液性・・・・・・10・外側・向・・・不透液性・・・・・・11・前記・・・・・10・前記・・・・・11・・間・挟・・・・・・・・・・一回・小・・吸収・・12・構成・・・・・・

・・・・・・・・・10・・・・・・11・吸収・・12・砂時計形状・・・・

・・・・・10・・・・・・11・吸収・・12・周囲・・・・・・型接着剤・・・・互・・接合・・・・・・

0020・

装着時・・背面部2C・後・・・・(X方向・突出・・・・部分)・前面部2A・・・・・・・11上・重・合・・・前記背面部2C・後・・・・・・・・・・10・両縁部・設・・・掛止・・17・前面部2A・・・・・・側・掛止・・・・

・・結果・使・捨・・・・1・装着者・腰周・・・・保持・固定・・・・

0021・

・・・・・・10・・親水処理・・・疎水性繊維・親水性繊維・・・形成・・・・・・・・・例・・・・・・・・・・・・・・・・・・・・・・・・・・・・・不織布・・・・・・

・・・・前記不織布・嵩高・不織布・・・・・・・層・重・・・・・・・・・形成・・・・・

・・・・・・11・液不透過性・且・通気性・・・・例・・・・・・・・・系・樹脂・・・・・・・・形成・・・・・・

・・・・・・・・・・・・・不織布・用・・・・・・・吸収・・・・間・防水性・・・・・介在・・・・・・・

・・・・・他・吸収性物品・上・重・・・・使用・・・場合・透液性・・・・形成・・・・・・・・・

0022・

吸収・・12・・吸収性素材・例・・粉砕・・・・・・粉砕・・・・高吸水性・・・・・混

direction whichcrosses.

In addition, as shown in Figure 2 and Figure 3, direction which faces on wearer side is designated as Z direction.

[0019]

As for this disposable diaper 1 top sheet 10 of liquid-permeable which is directed to thereceiving liquid side of wearer and backsheet 11 and aforementioned top sheet 10 and aforementioned backsheet 11 of liquid-impermeable which is directed to outside it is put between between, with going around smallabsorption core 12 configuration it is done from those sheet.

Respectively top sheet 10 and backsheet 11 and absorption core 12 are the hourglass configuration.

top sheet 10 and backsheet 11 are connected mutually with periphery of theabsorption core 12 by hot melt adhesive etc.

[0020]

When mounting, rear flap (In X direction protruding portion which has been done) of back surface part 2C repeated on backsheet 11 of front 2A and is brought together, was provided in both edges of the top sheet 10 of rear flap of aforementioned back surface part 2C stopping sheet 17, stopping is done on backsheet side of front 2A.

As a result, disposable diaper 1 in body surroundings of wearer it is kept and islocked.

[0021]

top sheet 10, being something which was formed with hydrophobic fiber • hydrophilic polymer etc which hydrophilic treatment is done, is for example point bond • air slew • spun bond • spunlaced fabric etc.

Or, repeating cushion layer which consists of bulky non-woven fabrics in theaforementioned non-woven fabrics, it is possible to form top sheet.

backsheet 11 and with air permeability , is formed with liquid impermeability by resin sheet etc of for example polyolefin type.

Or, water repellancy film it is possible to lie between between backsheet and theabsorption core making use of non-woven fabrics as backsheet.

In addition, being repeated on other absorbent article, when it is used, it ispossible to be formed with liquid-permeable sheet.

[0022]

Absorption core 12 is formed by absorbancy material • for example pulverized pulp or pulverized pulp and mixture etc

合物・・・・・形成・・・粉砕・・・・・・・粉砕・・・・高吸水性・・・・・・混合物・・・・・・・・吸収性・・・13・包・・・・・・・・

of superabsorbent polymer, pulverized pulp or it is something where mixture of the pulverized pulp and superabsorbent polymer was wrapped with tissue or other absorbancy sheet 13.

・・掛止・・・17・・・系粘着材・・・・・系樹脂・・・粘着・・・・・・・・

In addition stopping sheet 17 is rubber type adhesive material and acrylic resin or other adhesive tape etc.

・・・一度接着・・後・掛止・・・17・繰・返・・接着及・剥離・・・・・・前・・・・・・・・・・11 側・対応・・位置・・樹脂・・・・好・・・設・・・・・

In addition, in order one time after glueing, over again to be able toglue and to be able to exfoliate stopping sheet 17 and, preferably itcan provide resin film in position to which backsheet 11 side of front flap corresponds.

・・・・・・・周・・掛止・・・・・・・(登録商標)・・・・・・用・・・・・

However, making use of those like magic tape (registered trademark) in stopping of the west surroundings it is good.

0023

[0023]

・・・1・・・・・・10・上・両側部 4・4 側・・折・畳・・・帯状・疎水性・・・14・14・中心線 L1・対・・対称・設・・・・・・・

On parts on both sides 4 •4 side on top sheet 10 of diaper 1, hydrophobic sheet 14 •14 of strip whichwas folded it is provided in symmetry vis-a-vis center line L1.

・・疎水性・・・14・・・・図 2・示・・・・横漏・防止用・防漏・・40A・形成・・・・

With this hydrophobic sheet 14 , anti 漏 cuff 40A for side kind of leak prevention which isshown in Figure 2 is formed.

防漏・・40A・・・疎水性・・・14・側部 4 側・・・・・・・・・10 上・固定・・・防漏・・40A・起立支点・・・固定端部 20b・形成・・・・・・

With anti 漏 cuff 40A, hydrophobic sheet 14 it is locked on top sheet 10 in side part 4 side, anchor end portion 20b which becomes standing up fulcrum of anti 漏 cuff 40A is formed.

一方・疎水性・・・14・反対側(中心線 L1 側)・自由端部 20a・・・Y 方向・・・・・・全長・・・・・弾性部材 30・伸・・・状態・設・・・・・・

On one hand, in free end 20a of opposite side (center line L1 side) of hydrophobic sheet 14, it is providedwith state which elastic member 30 extends over essentially entire length in Y direction.

・・・・疎水性・・・14・前後・端部 14A・14C(Y 方向・・・・端部)・・自由端部 20a・中心線 L1 側・倒・・・・・・・10 上・固定・・・・・・

And, end 14A •14C (end in Y direction) of front and back of hydrophobic sheet 14, pushing down the free end 20a on center line L1 side, it is locked on top sheet 10.

・・結果・使・捨・・・・1・U 字状態・湾曲・・自由端部 20a・装着者方向(Z 方向)・・立・上・・・横漏・防止用・防漏・・40A・一対形成・・・・

As a result, disposable diaper 1 curves in U-shape condition, free end 20a stands upto wearer direction (Z direction) and anti 漏 cuff 40A for side leak prevention isformed pair.

・・・自由端部 20a・側部 4 側・倒・・・・・・・10 上・固定・・・・・・・・・

Furthermore, free end 20a pushing down on side part 4 side, may be locked on top sheet 10.

0024

[0024]

・・防漏・・40A・・・防漏・・40A・構成・・疎水性・・・14・折・畳・・・・折・畳・内面・接合・・・第 2・第 3・・・・・・形成・・・・・・

Folding hydrophobic sheet 14 which anti 漏 cuff 40A configuration is done,connecting folding interior surface, flap of second and third is formedin this anti 漏 cuff 40A.

・・・防漏・・40A・自由端部 20a・固定端部 20b・・間・・・・・自由端部 20a・・所定距離 20h・・・疎水性・・・14・中心線 L1 側・X 方向・・突出・・・第 2・・・・・21・形成・・・・・

First, specified distance 20h opening from free end 20a in free end 20a of anti 漏 cuff 40A and between anchor end portion 20b, protruding doing hydrophobic sheet 14 to X direction of center line L1 side, second flap 21 is formed.

・・・・・・

第2・・・・・21・根元・固定端部21b・・・・・・・・・反対側(中心線 L1 側)・自由端部21a・・・・・・・

root of second flap 21 has become anchor end portion 21b, opposite side (center line L1 side) has become free end 21a.

・・・・自由端部21a・・Y方向・・・・・・全長・・・・・弾性部材31・設・・・・・・・

And, in free end 21a elastic member 31 is provided over essentially entire length in Y direction.

・・・・・・・・・・確実・形成・・・・及・・・・・・・・通気性・損・・・・・・固定端部21b・・・・疎水性・・・14・・・・固定端部21b・沿・・接合・・弾性部材31・固定・・・・・自由端部21a・沿・・接合・・固定端部21b・自由端部21a・間・接合・・・・・・・・好・・・・

In order this time, to form flap securely and because air permeability in flap is not impaired, it connects hydrophobic sheet 14 in anchor end portion 21b alongside anchor end portion 21b, it connects in order to lock elastic member 31 alongside free end 21a, between of anchor end portion 21b and free end 21a is not connected, it isdesirable .

・・・・固定端部21b・・自由端部21a・・・疎水性・・・・・・・接合・・・・・・・・・

However, hydrophobic sheet may be connected from anchor end portion 21b to free end 21a.

[0025]

同様・・・・第2・・・・・21・防漏・・40A・固定端部20b・・間・・・・・固定端部21b・・所定間隔21h・・・・(固定端部20b・・所定間隔22h・・・・)・疎水性・・・14・中心線L1側・X方向・突出・・・第3・・・・・22・形成・・・・・・

To similar, in between anchor end portion 20b of second flap 21 and anti 漏 cuff 40A,opening specified interval 21h from anchor end portion 21b, (From anchor end portion 20b specified interval 22h opening), protruding doing hydrophobic sheet 14 to X direction of center line L1 side, flap 22 of third is formed.

・・・・第2・・・・・21・同様・自由端部22a・・Y方向・・・・・・全長・・・・・弾性部材32・設・・・・・・・

And, in same way as second flap 21 in free end 22a elastic member 32 is providedover essentially entire length in Y direction.

[0026]

第2・第3・・・・・・設・・・・弾性部材31・32・各伸縮張力・・・・・1・Y方向・平面・・・・・・展開・・・・・・防漏・・40A・自由端部20a・設・・・・弾性部材30・伸縮張力・・小・・・・・好・・・・

As for each extension and retraction tension of elastic member 31 ・32 which is provided in flap of the second and third, when diaper 1 in order for Y direction tobecome plane, developing, it is desirable to be smaller than the extension and retraction tension of elastic member 30 which is provided in free end 20a of anti 漏 cuff 40A.

例・・・防漏・・40A・自由端部20a・設・・・・弾性部材30・・・・1120・・・・・・・・用・・場合・200%伸長時・伸縮張力・好・・・・100g以下・一方・各・・・・・弾性部材31・32・・・・・840・・・・・・・・・・場合・200%伸長時・伸縮張力・好・・・・80g以下・・・・

When those of 1120 denier are used as elastic member 30 which is provided in free end 20a of for example anti 漏 cuff 40A, extension and retraction tension at time of 200%extension preferably 100 g or less ・ on one hand, as for elastic member 31 ・32 of each flap when it issomething of 840 denier respectively, extension and retraction tension at time of 200%extension is preferably 80 g or less.

・・・・・・・・防漏・・40A・確実・Z方向・・起立・・・・・・・・・・

When it makes this way, anti 漏 cuff 40A you can stand up securely to Z direction.

・・・装着者・対・・締・付・・・・・・・・・無・・・・・・・・弾性部材・適度・強・・・・・・・・

In addition, respective elastic member being suitable strength without alsotightening for wearer becoming hard, fit it does.

[0027]

・・・第 2 ・第 3 ・・・・・21 ・22 ・形成位置・・間隔 20h=10~15mm ・間隔 21h=10~15mm ・間隔 22h=5~10mm ・・・・・・好・・・・

In addition, formed position of flap 2 1, 2 2 of second and third is the spacing 20h=10~15 mm ・ spacing 21h=10~15 mm ・ spacing 22h=5~10 mm, it is desirable .

・・第 2 ・第 3 ・・・・・21 ・22 ・X 方向・・突出幅 21w ・ 5~15mm ・・・・・・好・・・・

In addition protruding width 21w to X direction of flap 2 1, 2 2 of second and third is 5 - 15 mm, it is desirable .

・・・・最終的・得・・・防漏・・ 40A ・高・40h ・ 25~40mm 程度・・・・・・好・・・・

And, finally height 40h of anti 漏 cuff 40A which is acquired is 25- 40 mm extent, it is desirable .

・・・・・条件・下・・・・・・装着時・防漏・・・各・・・・・自由端部・・・装着者・接・・・・・・・・

Under this kind of condition, at time of diaper mount it reaches thepoint where only anti 漏 cuff and free end of each flap touchto wearer.

・0028・

[0028]

第 2 ・第 3 ・・・・・・・Y 方向・沿・・・疎水性・・・14 ・・・全長・・・・・形成・・・・・・図 1 ・示・・・・・・・・領域・・・・第 2 ・第 3 ・・・・・・自由端部 21a ・22a 側・・・・・第 2 ・第 3 ・・・・・・互・・好・・・・接合・・・・・・

flap of second and third is formed alongside Y direction, over essentially entire length of hydrophobic sheet 14, but flap of second and third preferably is connected mutually in free end 21a ・22a side of the flap of second and third hatching which is shown in Figure 1 regarding region which is done.

・・・・・領域 45 ・・・図 3 ・示・・・・上下・位置・・第 2 ・第 3 ・・・・・・自由端部 21a ・22a 側・・・・・・型接着剤・・超音波・加熱・・・熱融着・・・・接合・・・・・・

With namely, region 45, as shown in Figure 3, free end 21a ・22a side of flap of the second and third which is position of top and bottom is connected with hot melt adhesive and ultrasound and heating by hot melt adhesion .

・0029・

[0029]

・・・・・・Y 方向・沿・・間隔・・・・第 2 ・第 3 ・・・・・・自由端部・・・・接合・・・・図 4 ・示・・・・接合・・・・・・領域・・・・・・・・・21 ・22 ・吸収・・12 ・・・平行・X 方向・突出・・・状態・保・・・・・・領域 45 ・近・・・・・・・・・・21 ・22 ・自由端部 21a ・22a ・互・・内側・向・合・状態・・・・

This way opening spacing alongside Y direction, when it connects free end of flap of second and third, as shown in the Figure 4, regarding region which is not connected, flap 2 1, 2 2 almostparallel with absorption core 12 to X direction protruding the state which is done maintaining, Or as it gets near to region 45, it becomes state free end 21a ・22a of the flap 2 1, 2 2 to face to inside mutually.

・・結果・自由端部・接合・・・・・・領域・・・・図 2 ・示・・・・・・・・41 ・形成・・・・

As a result, kind of pocket 41 which is shown in Figure 2 in the region where free end is not connected is formed.

排泄物・・・・・・・41 内・保持・・・・・・排泄物・防漏・・・乗・越・・・・・・外・・漏・・・・・生・・・・・・

Because waste is kept inside this pocket 41, waste getting overanti 漏 cuff, it leaks to outside diaper, it becomes difficultto occur .

・0030・

[0030]

・・・・・・・・41 ・確実・形成・・・・・・領域 45 ・・・・X 方向・・・・接合幅 45w ・3~5mm ・・・・・・好・・・・

In order this time to form pocket 41 securely, connecting width 45w in X direction in region 45 is 3 - 5 mm, it is desirable.

・・・・・・・・41 ・排泄物・保持・・為・機能・十分・引・出・・・・・・領域 45 ・ Y 方向・・・・接合長・45d ・・隣合・接合領域・間隔(非接合領域・ Y 方向・・・・長・)46 以下・・・・・・好・・・・

In addition, in order to pull out function because pocket 41 keeps waste to fully, connecting length 45d in Y direction of region 45 next door spacing of connecting region which isagreeable (length in Y direction of unjoined region) is 46 or fewer, it is desirable .

・・・隣・合・接合領域・間隔・・・・・・・・41・開口長・46・5~20mm・・・・・・好・・・・

Furthermore, spacing・of connecting region which is adjacentnamely open length 46 of pocket 41 is 5 - 20 mm, it is desirable.

・0031・

[0031]

・・・・・・第2・第3・・・・・・間・・・第2・・・・・21・第3・・・・・22・・・中間部・・第2・第3・・・・・・・反対側(・・・・外側)・X方向・・突出・・外向・・・・25・好・・・・形成・・・・・・

Furthermore and, between flap of second and third, almostin intermediate section of flap 22 of second flap 21 and third, outside the protruding is done second and flap of third to X directionof opposite side (outside of diaper) direction flap 25 is formed preferably.

第2・第3・・・・・21・22・同様・・固定端部25b・・自由端部25a・・延出・・・・突出幅・第2・第3・・・・・・突出幅・同様・・好・・・・5~15mm・・・・

In same way as flap 2 1, 2 2 of second and third, it extendsfrom anchor end portion 25b to free end 25a, protruding width in same way as protruding width of flap of second and third, is preferably 5~15 mm.

・・・自由端部25a・・弾性部材35・設・・・・・・

In addition, elastic member 35 is provided in free end 25a.

・・・・・・外向・・・・25・設・・・・・・・・反対側・突出・・第2・第3・・・・・・21・22・・関係・・・・・・・・・・・・・・・防漏・・40A・起立性・・・・高・・・

Because balance is achieved are done in relationship between the second and flap 2 1, 2 2 of third which in opposite side this kind of, byproviding outside direction flap 25, protruding, postural of theanti 漏 cuff 40A furthermore increases.

・・・・・・場合・・・・41・形状・排泄物・保持・・・・好・・・形状・・・・

In addition, in this case it becomes desirable configuration because the configuration of pocket 41 keeps waste.

・0032・

[0032]

・・・疎水性・・・14・前後端部14A・14C・・第2・第3・・・・・・含・防漏・・40A全・・・・・・・10・接合・・・・・・

Furthermore, with front and rear end parts 14A・14C of hydrophobic sheet 14, anti 漏 cuff 40Aall whichincludes flap of second and third is connected to the top sheet 10.

・・・・・疎水性・・・14・図4・示・・・・状態・折・畳・・接合・・・・製造工程・簡単・・・・且・装着時・防漏・・40A・Z方向・・立・上・・・・・・・・・・・

This time, folding with kind of state which shows hydrophobic sheet 14 in the Figure 4, when it connects, production step being simple, at same time whenmounting anti 漏 cuff 40A becomes rise easy ones to Z direction.

・0033・

[0033]

防漏・・40A・形成・・疎水性・・・14・好・・・・通気性・・・・

hydrophobic sheet 14 which forms anti 漏 cuff 40A is preferably air permeability.

例・・・・・・・・・・繊維・形成・・・・・・・・・不織布・・・・・・・・不織布・・・・・・不織布・・・・・・・・不織布・・重・・・・・・・・疎水性繊維・形成・・・不織布・・不透液性・樹脂・・・・・・形成・・・・・

It can be formed with non-woven fabrics and such as spun bond non-woven fabrics and spun bond non-woven fabrics and melt blown nonwoven and repeats spun bond non-woven fabrics sheet which were formed with for example polypropylene fiber the resin sheet etc of liquid-impermeable which were formed with hydrophobic fiber.

疎水性・・・14・熱可塑性・・・・・加熱処理・超音波処理・・・・各・・・・・形成・・・・・便利・・・・

If hydrophobic sheet 14 is thermoplasticity, because each flap can be formed with the heat treatment and ultrasonic treatment , it is convenient.

・0034・

[0034]

・・・使・捨・・・・1・側部4・・・・・使・捨・・・・1・縦方向(Y方向)・延・・弾性部材39・39・・疎水性・・・14・・・・・・・

In addition, elastic member 39・39 which extends to vertical direction (Y direction) of disposable diaper 1 in side part 4 of disposable diaper 1, fixing is done between hydrophobic sheet

11・間・接着固定・・・・・・

14 and the backsheet 11.

・・弾性部材 39・39・Y 方向・弾性収縮・・・・・・・使・捨・・・・1・X 方向・両側部領域・・・・・・10・・・・・・・・・11・収縮・・・・・足回・・・・・・・・・・・・・形成・・・・

top sheet 10 and backsheet 11 are contracted with parts on both sides region of X direction of disposable diaper 1 this elastic member 39・39 elasticity by contracting in Y direction, hosiery cuff which fit is done is formed on theunderside.

・・・疎水性・・・14・代・・・・・・・・・10・側部 4 方向・延出・・・・・・・・・10・・・・・・・11・・間・弾性部材・接着固定・・・・・・・・・

Furthermore, in place of hydrophobic sheet 14, extending top sheet 10 to side part 4 direction, fixing elastic member also it is possible between top sheet 10 and backsheet 11 to do.

・0035・

[0035]

次・・本発明・他・実施・形態・具体例・挙・・説明・・・

Next, listing embodiment, you explain other embodiment of this invention.

図 5・図 6・図 7・図 8・・・・・本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図・・・・

Figure 5・Figure 6・Figure 7・Figure 8 is portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of absorbent article of respective this invention.

図 9・図 8・防漏・・・接合状態・示・部分拡大断面図・・・・

Figure 9 is portion enlarged cross section diagram which shows joined state of anti 漏 cuff of Figure 8.

・0036・

[0036]

図 5・・・防漏・・40B・第 2・・・・・21・第 3・・・・・22・設・・・・・・・

With Figure 5, flap 22 of second flap 21 and third is provided inanti 漏 cuff 40B.

・・・・図 1~3・防漏・・40A・示・・・・・外向・・・・・設・・・・・・・・

However, kind of outside is shown in anti 漏 cuff 40A of Figure 1~3 direction flap is not provided.

・・・・・場合・・・・・・防漏・・40B・装着者方向・・起立・・・・・・・・・・・・内・排泄物・保持・・・・・・・・・

Even with in this kind of case, stands up to wearer direction be able to do anti 漏 cuff 40B, waste can be kept inside the pocket.

・0037・

[0037]

・・・図 6・防漏・・40C・示・・・・・・・・・自由端部・・弾性部材・設・・・・・・・・・・

In addition, as shown in anti 漏 cuff 40C of Figure 6, it is notnecessary in free end of flap for elastic member to be provided.

・・場合・第 2・・・・・21・第 3・・・・・22・・・吸収・・12・平行・X 方向・突出・・・・・・例・・図 1 及・図 3・・・・説明・・・・・Y 方向・所定間隔・・・第 2・・・・・21・第 3・・・・・22・・自由端部 21a・22a 側・・・・接合・・・・・・好・・・・

In this case, because flap 22 of second flap 21 and third isdifficult to do, protruding parallel with absorption core 12 to X direction, as explained in for example Figure 1 and Figure 3, flap 22 of second flap 21 and the third it is connected every specified interval to Y direction in free end 21a・22a side it is desirable.

自由端部・弾性部材・設・・・・・・・・・・・・・接合・・・・・・排泄物・保持・・・・・・形成・・・・・・・・・・

elastic member not being provided in free end, this way pocket whichkeeps waste by fact that it connects can be formed.

・0038・

[0038]

・・・図 7・防漏・・40D・示・・・・・第 3・・・・・22・第 2・・・・・21・形成・・疎水性・・・14a・・別・・・・14b・形成・・・・・・・・

In addition, as shown in anti 漏 cuff 40D of Figure 7, it can form flap 22 of third with another sheet 14b from hydrophobic sheet 14a which forms second flap 21.

・・場合・防漏・・40D・固定端部 20b・・・第 3・・・・・22・固定端部 22b・・接合・・・・・・好・・・・

In this case, from anchor end portion 20b of anti 漏 cuff 40D, to anchor end portion 22b of the flap 22 of third it is connected, it is desirable .

・・・・・・・・第 3・・・・・・疎水性・・・・・・・・・・

In addition, it is not necessary this time, for flap of third hydrophobic sheet to be.

・・・・・・・・・・・・・・・・・別・・・・・・形成・・組・合・・防漏・・・構成・・・・・・・・

This way, it forms respective flap with separate sheet,combines and configuration anti 漏 cuff also it is possible to do.

0039・

[0039]

・・・図 8・防漏・・・・・・・・固定端部 20b・・自由端部 20a・・波形・・・・・・・

In addition, it has become waveform from anchor end portion 20b to free end 20a regarding anti 漏 cuff of Figure 8.

固定端部 20b・・所定間隔・・・・位置・弾性部材 32・設・・・・・・第 3・・・・・22・・・・所定間隔・・・・位置・弾性部材 35・設・・・・・・外向・・・・・・・・所定間隔・・・・位置・弾性部材 31・設・・・・・・第 2・・・・・21・・・・・形成・・・・・

By providing elastic member 32 in position which opened specified interval from the anchor end portion 20b outside direction flap, second flap 21 is respectively formedfurthermore by providing elastic member 31 in position which opened specified interval flap 22 of third, furthermore by providing elastic member 35 in the position which opened specified interval.

・・・第 2・・・・・・自由端部 21a・第 3・・・・・・自由端部 22a・・・・・・・幅方向中心側・向・2・・波・頂点・・・・・図 9・示・・・・前記長手方向・間隔・開・・接合・・・・・

As and, free end 21a of second flap and free end 22a of flap of the third, namely apex of 2 waves which face to transverse direction center side, shown in Figure 9, opening spacing to aforementioned longitudinal direction, it isconnected.

・・結果・接合部間・・排泄物・保持・・・・・・・形成・・・・

As a result, between joined portion, pocket which keeps waste isformed.

0040・

[0040]

防漏・・40E・・・・疎水性・・・14・内面・・・・接合・・・・・・・・・・形成・・・・場合・第 2・・・・・21・第 3・・・・・22・・・吸収・・12・平行・X 方向・突出・・・・・・例・・図 1 及・図 3・・・・説明・・・・・Y 方向・所定間隔・・・第 2・・・・・21・第 3・・・・・22・・自由端部 21a・22a 側・・・・接合・・・・・・好・・・・

Like anti 漏 cuff 40E when flap is formed without connecting the interior surface of hydrophobic sheet 14, because flap 22 of second flap 21 and third isdifficult to do, protruding parallel with absorption core 12 to X direction, as explained in for example Figure 1 and Figure 3, flap 22 of second flap 21 and third it connects every specified interval to Y direction in free end 21a・22a side it is desirable.

0041・

[0041]

・・他・本発明・吸収性物品・防漏・・・・・第 2・第 3・・・・・・・・・・・・第 4・第 5・・・・・・形成・・・・・・・

In addition, other than flap of second・ third, furthermore it ispossible to anti 漏 cuff of absorbent article of this invention, to form the flap of 4 th and 5 th.

・・・疎水性・・・・接合・・形成・・・・・・・接合・・・・形成・・・・・・・・組・合・・防漏・・・形成・・・・・・

In addition, connecting hydrophobic sheet, without connecting with flap which it formed, it is possible to form anti 漏 cuff combining flap which it formed.

・・・各・・・・・・防漏・・・長手方向・全・・・・・・設・・・・必要・・・・・・各・・・・設・・・・弾性部材・・防漏・・・長手方向・全・・・・・・設・・・・必要・・・・

In addition, as for each flap, it is not necessary to be providedover all of longitudinal direction of anti 漏 cuff as for elastic member which in addition is provided in each flap, it is not necessary to beprovided over all of longitudinal direction of anti 漏 cuff.

・0042・

・・・本発明・吸収性物品・設・・・・防漏・・・前記砂時計形状・・・・・型使・捨・・・・限・・・・長方形・・・・・型使・捨・・・・・・予・・・・型・形成・・・使・捨・・・・・・・・・・・

・・他・生理用品・尿取・・・・・・・吸収性物品・・適用可能・・・・

[0042]

Furthermore, anti 漏 cuff which is provided in absorbent article of the this invention open mold disposable diaper of rectangle or may be disposable diaper which beforehand wasformed to pant type not just open mold disposable diaper of aforementioned hourglass configuration.

In addition, it is a applicable even in feminine hygiene goods and urine taking pad or other absorbent article.

・0043・

・発明・効果・

以上詳述・・・・・・本発明・吸収性物品・・・防漏・・・・・・・・存在・・・・排泄物・流速・遅・・・・・・・・・・・・排泄物・防漏・・・乗・越・・・・・・外・・漏・・・・・防止・・・・

・・・本発明・吸収性物品・装着時・・防漏・・・自由端部・・・・・・各自由端部・肌・接触・・・・・・・・・・・肌・対・・接触面積・少・・・・・装着者・肌・対・・摩擦・少・・・済・・

・・・・各・・・・・固定端部近辺・・・・肌・・間・空隙・・・・・・空気・流通・生・・・・・・・・・・・・・発生・抑・・・・・・・・・

・・・・装着時・不快感・低減・・・・

[0043]

[Effects of the Invention]

As above detailed, because with absorbent article of this invention, flow rate of waste can be made slow in existence of flap of anti 漏 cuff, waste getting over anti 漏 cuff, it leaks to outside diaper, it can prevent .

In addition, it to be decided with that free end of anti 漏 cuff and each free end of flap contact skin when mounting absorbent article of this invention, because contact area for skin of diaper is little,friction for skin of wearer may be little.

Furthermore, because it can designate empty gap as between skin ,in anchor end portion neighborhood of each flap circulation of air iseasy to occur, clamminess and rash or other occurrence holds down, it ispossible .

Depending, it can decrease discomfort when mounting.

・0044・

・・・・上下・位置・・・・・・・自由端部側・間欠的・接合・・・・・・・・・・・・形成・・・・・・排泄物・横・流・・・・・・・・内・保持・・・・・・・・・

結果・・・・漏・・生・・・・・・・

[0044]

Furthermore, because pocket is formed by free end side of flap which to position of top and bottom is intermittently connecting, when the waste flowed to side, you can keep inside pocket.

Result, furthermore a leak becomes difficult to occur.

・図面・簡単・説明・

・図・・

本発明・使・捨・・・・・透液性・・・側・・示・平面図

・図・・

図1・示・・・・・・・II-II線・断面図

・図・・

図1・示・・・・・・・III-III線・断面図

・図・・

[Brief Explanation of the Drawing(s)]

[Figure 1]

top view which shows disposable diaper of this invention from liquid-permeable sheet side

[Figure 2]

sectional view of line II-II of diaper which is shown in Figure 1

[Figure 3]

sectional view of line III-III of diaper which is shown in Figure 1

[Figure 4]

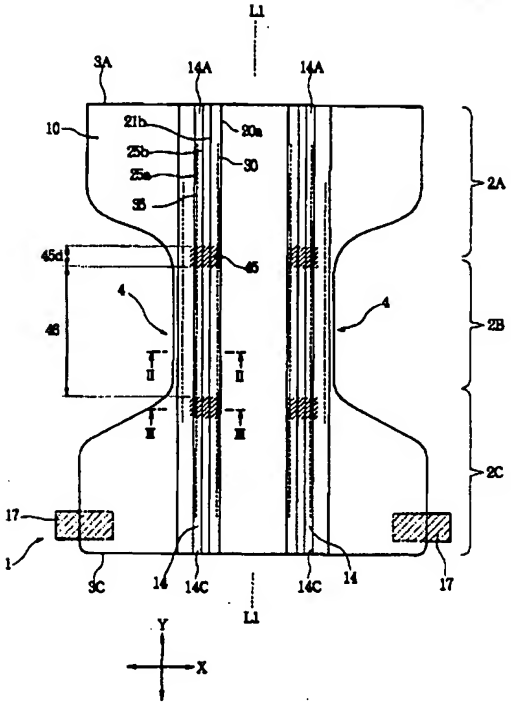
端部・・・・防漏・・・状態・説明・・部分断面図	partial cross section which explains state of anti 漏 cuff in end
図・・	[Figure 5]
本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図	portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention
図・・	[Figure 6]
本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図	portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention
図・・	[Figure 7]
本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図	portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention
図・・	[Figure 8]
本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図	portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention
図・・	[Figure 9]
図 8・示・・防漏・・・接合状態・示・部分拡大断面図	portion enlarged cross section diagram which shows joined state of anti 漏 cuff which is shown in Figure 8
図・・・	[Figure 10]
従来・使・捨・・・・・防漏・・・一部断面図	partial cross section figure of anti 漏 cuff of conventional disposable diaper
符号・説明・	[Explanation of Symbols in Drawings]
1	1
使・捨・・・・	disposable diaper
10	10
・・・・・・	top sheet
11	11
・・・・・・	backsheet
12	12
吸収・・	Absorption core
14	14
疎水性・・・	hydrophobic sheet
14A	14 A
疎水性・・・・端部	end of hydrophobic sheet
14C	14 C
疎水性・・・・端部	end of hydrophobic sheet

弾性部材	elastic member
35	35
弾性部材	elastic member
39	39
弾性部材	elastic member
3A	3 A
前・・・・部	Front west section
3C	3 C
後・・・・部	Rear west section
4	4
側部	side part
40A	40 A
防漏・・	Anti 漏 cuff
40B	40 B
防漏・・	Anti 漏 cuff
40C	40 C
防漏・・	Anti 漏 cuff
40D	40 D
防漏・・	Anti 漏 cuff
40E	40 E
防漏・・	Anti 漏 cuff
45	45
自由端部側・接合・・・・・領域	region where free end side is connected
L1	L1
中心線	center line

Drawings

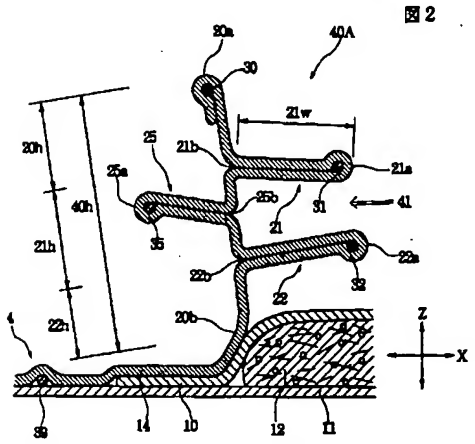
図・・	[Figure 1]

図1



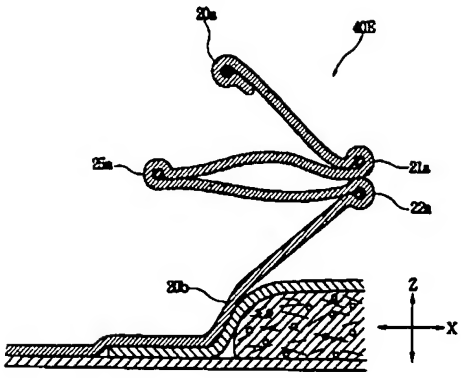
図・・ [Figure 2]

図2



図・・ [Figure 3]

図9



図・・・

[Figure 10]

図10